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| Application No.   | Applicant(s)     |
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| 09/934,725        | TROVINGER ET AL. |
| Examiner          | Art Unit         |
| Patrick H. Mackey | 3651             |

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| Cla      | aim      | Date   |          |          |  |  |          |                |              | ::::   | Claim Date |              |          |                 |               |          |         | 1::::[   | Claim Date         |          |       |  |          |              |  |            |          |                 | $\neg$   |                 |          |          |
|----------|----------|--|----------|----------|--|--|----------|----------------|--------------|--|------------|--------------|----------|-----------------|---------------|----------|---------|--|--------------------|----------|-------|--|----------|--------------|--|------------|----------|-----------------|----------|-----------------|----------|----------|
|          |          |  |          |          |  |  |          |                |              |  |            |              |          |                 |               |          | T       | П  | Т                  |          |       |  |          |              |  |            |          |                 |          | ヿ               |          |          |
| ਰ        | Original | 8  | 8/25/04  | 2/18/05  |  |  |          | 1              |              |  |            | ā            | Original |                 | - 1           | - [      |         |  |                    |          |       | ल  | Original |              | .  |            |          |                 | -        | - 1             | ı        |          |
| Final    | rigi     | 4/2/04   | 125      | 18       |  |  |          |                |              |  |            | Final        | rigi     |                 | - 1           |          |         |  |                    |          |       | Final  | įį       |              |  | i          |          |                 | ļ        |                 |          |          |
| -        | O        | 4  | ο j      | 2        |  |  |          | İ              | П            |  |            | _            | 0        |                 |               |          |         | ll   |                    |          |       |  | 0        |              |  |            | H        | - [             |          |                 |          |          |
| _        | 1        | _  |          | -        | _  | -  | $\vdash$ | ⊢              | H            | -  |            |              | 51       | $\vdash$        | $\dashv$      | +        | +       | $\vdash$   | $\dashv$           | +-       |       |  | 101      | =            | H  | $\dashv$   | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$        | $\dashv$ | ᅱ        |
|          | 2        | =  | =        | _        |  | $\vdash$   | ⊢        | ⊢              | Н            |  |            |              | 52       |                 | +             | +        | ┿       | $\vdash$   | $\dashv$           | ╅        | 1     |  | 102      | -            |  | $\dashv$   | $\dashv$ | $\dashv$        | -        | -               | $\dashv$ | $\dashv$ |
|          | 3        | =  | =        | _        |  | -  | $\vdash$ | ├              | $\vdash$     | _  |            |              | 53       | $\vdash$        | $\dashv$      | +        | -       |  |                    |          | ╂∷    |  | 103      | _            |  | $\dashv$   | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$ |
|          |          |  | -        | _        |  | -  | ├        | ⊢              | ╁            | -  |            |              | 54       | $\vdash$        | $\dashv$      | +        | +       | $\vdash$   |                    | +-       | 1     |  | 103      |              | Н  | $\vdash$   |          | ┥               |          | $\dashv$        | $\dashv$ | $\dashv$ |
| <u> </u> | 4        | =  | =        | =        |  | ┝  |          | ┢              | -            |  |            |              |          | H               |               |          | +       | $\vdash$   | +                  | +        | ╂∷∷   |  |          | _            | -  | $\vdash$   | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$        | $\dashv$ | -        |
| <u> </u> | 5        | =  | =        | =        |  | <u> </u>   | <u> </u> | <u> </u>       | <b>├</b>     | -  |            |              | 55       | $\vdash$        | <del> -</del> |          | +       | $\vdash$   | $\dashv$           | +        | -     |  | 105      |              | Н  | $\vdash$   | -        | $\dashv$        | $\dashv$ | -+              | $\dashv$ | -        |
| <u> </u> | 6        | =  | =        | =        |  | _  | ⊢        | _              | <b>├</b> -   | -  |            |              | 56       | $\vdash$        | $\dashv$      | -        | +       | $\vdash$   | +                  | +        | -     |  | 106      |              | Н  | Н          | -        | $\dashv$        | $\dashv$ | ┈               | $\dashv$ | 4        |
| <u> </u> | 7        |  | -        |          |  | -  | ┡        | ⊢              | ├            | Н  |            |              | 57       | $\vdash$        |               | -        | +       | $\vdash$   | +                  | +        | -     |  |          |              | Н  | $\dashv$   |          |                 | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$ |
| <u> </u> | 8        | =  | =        | =        |  |  | ┢        | <u> </u>       | _            | -  |            |              | 58       | Н               | -             | -        | +       | $\vdash \vdash$                                  | +                  | -        | 4     |  | 108      |              | Н  | $\vdash$   | $\dashv$ | -               | -        | $\dashv$        | $\dashv$ | $\dashv$ |
| <u> </u> | 9        | =  | =        | =        | <u> </u>                                     | _  | <u> </u> | <u> </u>       | <u> </u>     | -  |            |              | 59       | $\sqcup$        | -             | -        | +       | $\sqcup$   | +                  | -        | 4     |  | 109      |              | _  | $\vdash$   | _        | -               |          | -               | -        | 4        |
| L        | 10       | =  | =        | =        |  | _  | $\vdash$ | <u> </u>       | 1            | _  |            |              | 60       | $\sqcup$        | _             |          | _       | $\vdash$   | -                  | _        | -     |  | 110      | _            | _  |            |          | -               |          | $\dashv$        | $\dashv$ | -        |
|          | 11       | =  | =        | =        | _  | _  |          | Ь.             | Ļ_           |  |            |              | 61       | $\vdash$        |               | +        | +       | $\vdash$   | $\dashv$           | +        | 4:::: |  | 111      | _            | $\vdash$   | $\square$  | $\dashv$ | -               | _        | $\dashv$        | 4        | $\dashv$ |
| <u> </u> | 12       | =  | =        | =        |  | <u> </u>   | ļ        | <b> </b>       | $\vdash$     | Ш  |            |              | 62       | $\sqcup$        | $\dashv$      | +        | _       | $\vdash$   | -                  | - -      | 4     |  | 112      |              | Н  | $\sqcup$   | _        | _               |          | $\dashv$        | 4        | _        |
|          | 13       | =  | =        | =        |  | <u> </u>   | <u> </u> | <del> </del> _ | lacksquare   | Ш  |            | <u> </u>     | 63       | $\sqcup$        | $\dashv$      | _        | -       | $\sqcup$   | _                  |          | 4     |  | 113      |              | Щ  | $\sqcup$   |          | _               | _        | 4               | _        | _        |
|          | 14       | =  | =        | =        | L_   | <u> </u>   | <u> </u> | $oxed{oxed}$   | $oxed{oxed}$ | Ш  |            |              | 64       | Щ               | ļ             |          | _       | $\sqcup$   |                    | $\bot$   | 4     |  | 114      | <u> </u>     | Ш  | Ш          |          |                 |          | $\dashv$        | $\dashv$ | ᆚ        |
|          | 15       | =  | =        | =        |  |  | _        | 匚              |              |  |            |              | 65       | Ц               | $\perp$       | 4        | _       | $\sqcup$   | $\perp$            | $\bot$   | Į.    |  | 115      | <u> </u>     | Щ  |            |          |                 | _        | _               | _        | _        |
|          | 16       | =  | н        | =        |  |  | 1        | _              | L            | Ш  |            | L            | 66       | Ш               |               |          | $\perp$ | Ш  | $\perp$ L          |          | J     | L  | 116      |              | Ш  | Ш          |          |                 |          | _               |          | $\sqcup$ |
|          | 17       | =  | =        | =        |  |  |          | L              | <u></u>      |  |            |              | 67       |                 |               |          |         |  |                    |          |       |  | 117      |              |  |            |          | _               |          |                 | $\Box$   |          |
|          | 18       | =  | =        | 11       |  |  |          |                |              |  |            |              | 68       |                 |               |          |         | Ш  | $oldsymbol{\perp}$ |          |       |  | 118      |              |  | Ш          |          |                 |          | $\perp$         | $\Box$   | _        |
|          | 19       |  | -        |          |  |  |          |                |              |  |            |              | 69       |                 |               |          |         |  |                    |          |       |  | 119      |              |  |            |          |                 |          | $\perp$         |          | ᅵ        |
|          | 20       | =  | =        | =        |  |  | П        |                |              |  |            |              | 70       | П               |               |          | T       |  |                    |          |       |  | 120      |              |  |            |          |                 |          |                 |          |          |
|          | 21       | =  | =        | =        |  | Ì  |          | 1              | Τ            |  |            |              | 71       |                 |               |          | T       |  |                    |          | 7:::: |  | 121      | Г            |  |            |          |                 |          | П               | $\Box$   |          |
|          | 22       | N  | N        | -        |  |  | t        | Τ              | $\vdash$     |  |            |              | 72       |                 |               | 1        | 1       | П  |                    | $\top$   | 7:::: |  | 122      | П            |  | П          |          |                 |          | П               | $\neg$   | $\Box$   |
|          | 23       | N  | N        |          | İ  | t  | <b>†</b> | $\vdash$       | 1            |  |            |              | 73       |                 | $\neg$        |          | 1       | Ħ  |                    |          | 1:::: |  | 123      |              |  | П          |          |                 |          |                 | コ        | $\neg$   |
|          | 24       | 1  | 1        | ╘        | ı  | ✝  | T        | $\vdash$       |              |  |            |              | 74       |                 | $\neg$        | $\top$   | 1       | $\Box$   | _                  | T        | 1     |  | 124      |              |  | П          |          |                 |          |                 | ╗        |          |
| $\vdash$ | 25       | 1  | 1        | Ξ        | -  | $\vdash$   | T        | $t^-$          |              |  |            |              | 75       | Ħ               |               | $\top$   | $\top$  | $\Box$   | _                  |          | 1:::: |  | 125      | $\vdash$     |  | П          |          |                 |          |                 | $\neg$   | $\neg$   |
| $\vdash$ | 26       | N  | N        |          | ┪  | <del>                                     </del> | t        | T              | t            | -  |            |              | 76       | f               | _             | _        | 1       | $\Box$   | 十                  | $\top$   | 1:::: |  | 126      |              |  |            |          |                 |          | $\neg$          | $\neg$   | $\neg$   |
|          | 27       | N  | N        | -        | $\vdash$                                     | ╁  | t        | ╁              | $\dagger$    |  |            |              | 77       | 1               | $\dashv$      |          | +       | 1 1  | T                  | 1        |       |  | 127      |              | Т  | П          |          |                 |          | $\neg$          | ┪        | ヿ        |
|          | 28       | 1  | 1        | =        | ┝  | <del> </del>                                     | $\vdash$ | 十              | †            |  |            |              | 78       | $\vdash$        |               | <u> </u> | $\top$  | 1 1  | $\top$             |          | 1     | <b>-</b>   | 128      |              | H  |            |          |                 |          | $\neg$          | ヿ        |          |
|          | 29       | 1  | V        | 1        | <del>  -</del>                               | $\vdash$   | ╁        | ╁╌             | 1            | $\vdash$   |            |              | 79       | Н               |               |          | +       | ┤┤   | 一                  | $\top$   | 1     |  | 129      | _            |  | Н          | _        | $\neg$          |          |                 | ┪        | ᅥ        |
|          | 30       | Ì  | =        | Ì        | ├  | -  | $\vdash$ | H              | +-           | $\vdash$   |            |              | 80       | 1               | $\dashv$      | +        | +       | $\vdash$   | $\dashv$           | $\top$   | 1     |  | 130      | $\vdash$     |  | Н          |          | $\vdash$        |          |                 | $\dashv$ | ᅥ        |
|          | 31       | =  | =        | =        | $\vdash$                                     |  | $\vdash$ | ╁              | ╁            | -  |            | _            | 81       | $\vdash$        | -             | _        | +       | $\vdash$   | +                  |          | 1     | <del>                                     </del> | 131      | ┢            | $\vdash$   | Н          |          |                 |          | $\neg \uparrow$ | 一        | ᅥ        |
| -        | 32       | 1  | 1        | -        | $\vdash$                                     | $\vdash$   | -        | ╁              | +-           | -  |            | _            | 82       | $\vdash$        | $\dashv$      |          | +       |  |                    | +        | -{∷∷  |  | 132      | $\vdash$     | H  | Н          |          | -               | $\Box$   | $\neg$          | _        | ┪        |
| -        | 33       | ò  | =        | =        | ⊢  | $\vdash$   | ╁        | ╁              | ╁            | -  |            | -            | 83       | $\vdash$        | _             | -        | +       | ┨  | $\dashv$           | $\dashv$ | -{∷∷  |  | 133      | -            | $\vdash$   | H          |          |                 |          | $\dashv$        | -        | ᅱ        |
| -        | 34       | ۳  | 1        | =        | $\vdash$                                     | $\vdash$   | +        | +              | ╁            | $\vdash$   |            | <del> </del> | 84       | $\vdash$        | $\dashv$      | +        | +       | ╂┈┤  | $\dashv$           | +        | 1     |  | 134      | ┢            | <del>                                     </del> | H          | $\vdash$ | $\vdash$        | H        | $\dashv$        | 一        | $\dashv$ |
| -        | 35       | ├  | 1        | =        | $\vdash$                                     | $\vdash$   | +-       | +              | $\vdash$     | <del>                                     </del> |            | $\vdash$     | 85       | $\vdash$        | $\dashv$      | +        | ╁       | ╁╌┤  | $\dashv$           | +        | 1     | <del>                                     </del> | 135      | $\vdash$     | -  | H          | $\vdash$ | $\vdash$        | $\vdash$ | $\dashv$        | 一        | $\dashv$ |
| $\vdash$ | 36       |  | 0        | -        | $\vdash$                                     |  | +-       | ╁              | +            | $\vdash$   |            | <u> </u>     | 86       | +-              | -             | +        | +       | +  | -+                 | +-       | 1     | <u> </u>   | 136      | $\vdash$     | $\vdash$   | Н          |          | $\vdash \vdash$ | Н        | $\dashv$        | -        | $\dashv$ |
| <u> </u> | 37       | $\vdash$   | 1        | =        | ⊢  | ╁  | +        | ┼              | ╁            | $\vdash$   |            |              | 87       | $\vdash \vdash$ | $\dashv$      | $\dashv$ | +       | $\vdash$   | -                  | +        | 1     | <b> </b>   | 137      | <del> </del> | H  | Н          | H        | $\vdash$        | $\vdash$ | $\dashv$        |          | $\dashv$ |
| -        | 38       | <del>                                     </del> | 1        | —        | $\vdash$                                     | $\vdash$   | +-       | +              | ╁            | $\vdash$   |            |              | 88       | $\vdash$        | $\dashv$      | -        | +-      | $\vdash$   | +                  | +        | 1     |  | 138      | ┢            | $\vdash$   | $\vdash$   | -        | $\vdash$        | $\vdash$ | $\dashv$        | $\dashv$ | $\dashv$ |
| <b></b>  |          | -  | V        | Ξ        | ├  | $\vdash$   | $\vdash$ | $\vdash$       | +-           | <del>  -</del>                                   |            | <del></del>  |          | $\vdash$        | $\dashv$      | +        | +       | $\vdash$   | $\dashv$           | +        | -     | <u> </u>   | 139      |              | $\vdash$   | $\vdash$   | $\vdash$ | $\vdash$        |          | $\dashv$        |          | $\dashv$ |
| <b>-</b> | 39       | $\vdash$   | -        | <u> </u> | $\vdash$                                     | $\vdash$   | +        | +-             | $\vdash$     | $\vdash$   |            |              | 89       | $\vdash$        | $\dashv$      | +        | +-      | $\vdash$   | -+                 | +        | 4     | <del> </del>                                     |          | $\vdash$     | $\vdash$   | Н          | $\vdash$ | $\vdash$        | Н        | $\dashv$        |          | $\dashv$ |
| <u> </u> | 40       | $\vdash$   | H        | ├        | ⊢  | <b>├</b>   | +        | ╂—             | ₩            | $\vdash$   |            | <u> </u>     | 90       | $\vdash$        | $\dashv$      |          | +       |  | +                  | +        | -     | ├──  | 140      |              | H  | Н          | H        | Н               | Н        | $\dashv$        |          | $\dashv$ |
| <u> </u> | 41       | <u> </u>   | ┞        | ļ        | <b>—</b>                                     | ⊢  | +-       | $\vdash$       | $\vdash$     | $\vdash$   |            | ⊢—           | 91       | $\vdash$        | $\dashv$      |          |         | $\vdash$   |                    | +        | 4:::  | <b>├</b> ─                                       | 141      | ├            | ⊢  | Н          | H        |                 | -        | $\dashv$        |          | $\dashv$ |
|          | 42       | ⊢  | <u> </u> | <u> </u> | _  | _  | ╄        | ╄              | ╄            | <u> </u>   |            | <u> </u>     | 92       | $\vdash$        |               | $\dashv$ | -       | <del>                                     </del> | +                  |          | -     |  | 142      | ├—           | ⊢  | Н          | <u> </u> | -               | $\vdash$ | $\dashv$        | -        | -        |
|          | 43       | L-   | <u> </u> | <u> </u> | <u> </u>                                     | <u> </u>   | $\vdash$ | ╀              | ₩            | <u> </u>   |            | <u> </u>     | 93       | ⊢               | $\dashv$      | +        |         | $\vdash$   |                    | +        | 4:::  | <u> </u>   | 143      | ⊢            | ├  | Н          | Н        | Н               | Ш        | $\vdash$        |          | $\dashv$ |
| ļ        | 44       | <u> </u>   | ļ        | <u> </u> | <u> </u>                                     | ـ  | ⊢        | ╀              | ـ            | <u> </u>   |            |              | 94       | Н               | $\dashv$      | 4        | -       | $\sqcup$   |                    |          | 4:::: |  | 144      | $\vdash$     | $\vdash$   | $\vdash$   | <u> </u> |                 | <u> </u> | $\dashv$        |          |          |
| <u> </u> | 45       | ╙  | ļ        | <u> </u> | _  | <u> </u>   | 1        | $\vdash$       | $\vdash$     | <u> </u>   |            | <u> </u>     | 95       | Ш               | $\sqcup$      |          | +       | $\sqcup$   |                    | +        | 4:::: | <u> </u>   | 145      | <u> </u>     | ₩  | $\vdash$   | <u> </u> |                 | Ш        | <b></b>         | _        | 4        |
|          | 46       | <u> </u>   |          |          |  | _  | ╄        | _              | 1            | <u> </u>   |            | <u> </u>     | 96       | Ш               | $\sqcup$      | $\perp$  | 4       | $\sqcup$   | $\dashv$           | -        | 4:::: |  | 146      | <u> </u>     | <u> </u>   | lacksquare | <u> </u> | Ш               | Щ        | $\sqcup$        |          |          |
| L        | 47       | _  |          | <u> </u> | Ļ  | <u> </u>   | _        | $\perp$        |              | L  |            | <u> </u>     | 97       | $\sqcup$        | $\sqcup$      | $\perp$  |         | $\sqcup$   |                    |          | 4:::: | <u> </u>   | 147      | <u> </u>     | $\vdash$   | Щ          | <u> </u> | Ш               | Ш        | Ш               | ļ        | _        |
|          | 48       | ļ  | oxdot    |          | <u> </u>                                     | <u> </u>   | ļ        | 1_             | 1_           |  |            | <u> </u>     | 98       | Ш               |               |          | 4_      | $\sqcup$   |                    | $\bot$   | 4:::: | L  | 148      | _            | $oxed{oxed}$                                     |            | L        | Щ               | Ь.,      | $\sqcup$        | _        | ᆚ        |
| <u> </u> | 49       | lacksquare                                       | <u> </u> |          | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$ | <u> </u>   | 1_       | $\perp$        | _            | L  | ::.        |              | 99       | Ш               | Ц             | _        | $\perp$ | $\sqcup$   | $\perp$            | $\perp$  | 4     | L  | 149      | _            | <u> </u>   | L          | L        | Ш               |          | Ц               |          | Д        |
|          | 50       |  |          |          |  |  | $\perp$  |                | <u> </u>     | L  |            |              | 100      | Ш               | Ш             |          | Ш.      | <u>1</u>   |                    |          |       |  | 150      | L            |  | 1          |          |                 |          | $\Box$          |          | $\Box$   |